



## DEFENSE INFORMATION SYSTEMS AGENCY

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ARLINGTON, VIRGINIA 22204-4502

IN REPLY  
REFER TO: Joint Interoperability Test Command (JTE)

24 Mar 10

### MEMORANDUM FOR DISTRIBUTION

SUBJECT: Extension of the Special Interoperability Test Certification of the Amcom Software Inc. Smart Center™, Event Notification and Response (e.Notify), and Smart Web™ Version 4.0.6.1

References: (a) DoD Directive 4630.5, "Interoperability and Supportability of Information Technology (IT) and National Security Systems (NSS)," 5 May 2004  
(b) CJCSI 6212.01D, "Interoperability and Supportability of Information Technology and National Security Systems," 8 March 2006  
(c) through (e), see Enclosure

1. References (a) and (b) establish the Defense Information Systems Agency (DISA), Joint Interoperability Test Command (JITC), as the responsible organization for interoperability test certification.

2. The Amcom Software Inc. Smart Center™, e.Notify, and Smart Web™ Version 4.0.6.1 is hereinafter referred to as the System Under Test (SUT). The SUT meets the interface requirements and all required functional capabilities and is certified for joint use within the Defense Switched Network (DSN). The SUT met the interface and functional requirements for automated receiving devices set forth in appendix 7 of Reference (c). The SUT includes the Amcom Software Inc. Smart Center™ with e.Notify and Smart Web™ applications collectively; however, these applications can be purchased individually and are also certified in any combination with the Smart Center™. The SUT was tested with only a few of the possible valid configurations of the Smart Center™ database with the other applications. Based on analysis of system documentation and test data collected, JITC assesses no risk of interoperability problems within the DSN using other valid configurations of the Smart Center™ database with the other applications, and these other valid configurations are also certified for joint use within the DSN. The SUT is certified with all switching systems listed on the Unified Capabilities (UC) Approved Products List (APL) certified for analog and Integrated Services Digital Network (ISDN) Primary Rate Interface (PRI) National ISDN 2 (NI2) interfaces. Testing was conducted using test procedures derived from Reference (d). No other configurations, features, or functions, except those cited within this report, are certified by the JITC. This certification expires upon changes that affect interoperability, but no later than three years from the date of the original memorandum (15 August 2008).

3. The extension of this certification is based upon Desktop Review (DTR) 1. The original certification is based on interoperability testing and review of the vendor's Letter of Compliance

(LoC). Interoperability testing was conducted by JITC at the Global Information Grid Network Test Facility, Fort Huachuca, Arizona, from 26 March through 22 April 2007 and documented in Reference (e). Review of vendor's LoC was completed on 8 May 2007. The certification was on hold pending Information Assurance (IA) review. The IA verification of the SUT was conducted by a DISA-led test team. Interoperability verification of the system was completed on 27 June 2008. This DTR was requested to include the Oracle Data Guard feature. This feature allows for a backup location to keep a second AMCOM server up to date with the same database information as the primary Oracle database server and to allow for a backup site to take over if the primary site is lost or compromised. The Oracle databases on the two servers communicate over the same secure network port that the AMCOM applications utilize and the primary server updates the secondary server with transactional information. Defense Information Assurance (IA)/Security Accreditation Working Group (DSAWG) accreditation of this DTR was granted on 24 March 2010.

4. The Functional Requirements used to evaluate the interoperability of the SUT and the interoperability statuses are indicated in Table 1.

**Table 1. SUT Functional Requirements and Interoperability Status**

Interface	Critical	Certified	Functional Requirements	Met	GSCR Paragraph
2-Wire Analog (GR-506-CORE)	No <sup>1</sup>	Yes	MLPP in accordance with GSCR Section 3 (C)	Met	A7.5
			FCC Part15/Part 68 (R)	Met	A7.5
			DTMF outpulsing (C)	Met	A7.5, 5.4.1, 5.4.2
			DISR compliance as applicable (R)	Met	A7.5
			ROUTINE precedence only in accordance with GSCR 3.3 (R)	Met	A7.5
			TIA/EIA-470-B (R)	Met	A7.5.1
T1 ISDN PRI NI 1/2	No <sup>1</sup>	Yes	PCM-24 (R)	Met	7.1
			DISR compliance as applicable (R)	Met	A7.5
			ROUTINE precedence only in accordance with GSCR, Section 3.3 (R)	Met	A7.5
			T1 ISDN PRI NI 1/2 (R)	Met	2.3.4, 5.7
Security	Yes	See note 2.	Security (R)	See note 2.	A7.6.5
<b>NOTES:</b> 1 The Automated Receiving Device requirements can be met via one of the following interfaces: 2-Wire Analog, 4-Wire Digital, PCM-24, or PCM-30. 2 Security is tested by DISA-led Information Assurance test teams and published in a separate report.					

**Table 1. SUT Functional Requirements and Interoperability Status**


<b>LEGEND:</b>			
A	Appendix	Mbps	Megabits per second
C	Conditional	MLPP	Multi-Level Precedence and Preemption
DISA	Defense Information Systems Agency	NI 1/2	National ISDN 1/2
DISR	Department of Defense Information Technology Standards Registry	PCM-24	Pulse Code Modulation - 24 Channels
DTMF	Dual Tone Multi-Frequency	PCM-30	Pulse Code Modulation - 30 Channels
EIA	Electronic Industries Alliance	PRI	Primary Rate Interface
FCC	Federal Communications Commission	R	Required
GR	Generic Requirement	SUT	System Under Test
GR-506-CORE	LSSGR: Signaling for Analog Interfaces	T1	Digital Transmission Link Level 1 (1.544 Mbps)
GSCR	Generic Switching Center Requirements	TIA	Telecommunications Industry Association
ISDN	Integrated Services Digital Network	TIA/EIA-470-B	Performance and Compatibility Requirements for Telephone Sets with Loop Signaling
LSSGR	Local Access and Transport Area (LATA) Switching Systems Generic Requirements		

5. No detailed test report was developed in accordance with the Program Manager's request. JITC distributes interoperability information via the JITC Electronic Report Distribution (ERD) system, which uses Unclassified-But-Sensitive Internet Protocol Router Network (NIPRNet) e-mail. More comprehensive interoperability status information is available via the JITC System Tracking Program (STP). The STP is accessible by .mil/gov users on the NIPRNet at <https://stp.fhu.disa.mil>. Test reports, lessons learned, and related testing documents and references are on the JITC Joint Interoperability Tool (JIT) at <http://jit.fhu.disa.mil> (NIPRNet), or <http://199.208.204.125> (SIPRNet). Information related to DSN testing is on the TSSI website at <http://jitic.fhu.disa.mil/tssi>.

6. The JITC point of contact is Mr. Cary Hogan, DSN 879-2589, commercial (520) 538-2589, FAX DSN 879-4347, or e-mail to [cary.hogan@disa.mil](mailto:cary.hogan@disa.mil). The JITC's mailing address is P.O. Box 12798, Fort Huachuca, AZ 85670-2798. The tracking number for the Smart Center™ Version 4.0.6.1 is 0801003.

FOR THE COMMANDER:

Enclosure a/s

  
for RICHARD A. MEADOR  
Chief  
Battlespace Communications Portfolio

JITC Memo, JTE, Extension of the Special Interoperability Test Certification of the Amcom Software Inc. Smart Center™, Event Notification and Response (e.Notify), and Smart Web™  
Version 4.0.6.1

Distribution (electronic mail):

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Office of Assistant Secretary of Defense (NII)/DOD CIO

U.S. Joint Forces Command, Net-Centric Integration, Communication, and Capabilities  
Division, J68

Defense Information Systems Agency, GS23

## **ADDITIONAL REFERENCES**

- (c) Defense Information Systems Agency, "Department of Defense Voice Networks Generic Switching Center Requirements (GSCR), Errata Change 2," 14 December 2006
- (d) Joint Interoperability Test Command, "Defense Switched Network Generic Switch Test Plan (GSTP), Change 2," 2 October 2006
- (e) Joint Interoperability Test Command, Memo, JTE, "Special Interoperability Test Certification of the Amcom Software Inc. Smart Center™, Event Notification and Response (e.Notify), and Smart Web™ Version 4.0.6.1," 15 August 2008